

In the Claims

The claims in the case are:

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1. [Currently amended] A system for serving graphics for
display at a browser, comprising:

3 a graphics server;

4 a database for storing graphic effects parameters;

5 a cache;

6 said browser including a display;

7 said graphics server for serving a document to an edit
8 screen on said display;

9 said graphics server responsive to a user activating an
10 insert graphic command with a cursor positioned by said
11 user at an insertion point anywhere within said
12 document for serving to said browser an insert graphics
13 screen for user selection of said graphic effects

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14 parameters;

15 said graphics server responsive to said user completing
16 said selection of said graphic effects parameters for
17 serving said document to said display with said graphic
18 image at said insertion point;

19 said server being operable for storing graphics and
20 text received from said browser as an image in said
21 cache and said parameters for said image in said
22 database; and

23 said server being further operable responsive to a
24 request from a requesting browser for selectively
25 serving to said requesting browser for display said
26 image from said cache and, if not found in said cache,
27 for generating anew said image from said parameters
28 stored in said database without retrieving said image
29 from an alternate location by constructing a background
30 object, constructing a font object, constructing text
31 graphics, applying graphic effects from said database,
32 and combining said background object, said font object,
33 said text graphics, and said graphic effects to form
34 said image.

1 2. [Original] The system of claim 1, said graphics server
2 being operable for storing in said database, and making
3 available to any of a plurality of browsers, parameters for
4 reconstituting a plurality of screen display images.

3. [Withdrawn]

4. [Withdrawn]

1 5. [Currently amended] A method for serving an image to a
2 browser screen, comprising the steps of:

3 maintaining a cache of cached images;

4 maintaining a data base of default parameters;

5 serving a document to an edit panel on said screen;

6 responsive to a user activating an insert graphic
7 command with a cursor positioned at an insertion point
8 at any user selected position in said document for
9 serving to said browser an insert graphics text screen

10 for user selection of said graphic effects parameters;
11 responsive to said user completing said selection of
12 said graphic effects parameters for serving said
13 document to said screen with said graphic image at said
14 insertion point;
15 receiving a graphic request locator for said insert
16 graphics text screen;
17 hashing said graphic request locator to form a string
18 number; and
19 examining cache for a cached image with a matching
20 string number, and if found, serving said cached image
21 to said browser screen; and, if not found, without
22 retrieving said image from an alternate location,
23 parsing said graphic request locator for graphic
24 parameters and constructing from said graphic
25 parameters and selectively from said default parameters
26 a reconstructed image for serving to said browser.

1 6. [Original] The method of claim 5, further comprising
2 the steps of maintaining a database of graphic parameters,

3 and responsive to receiving a graphic request locator which
4 does not hash to a string number found in said cache,
5 parsing said graphic request locator for the location in
6 said database of graphic parameters for said graphic
7 parameters for reconstructing said image for serving to said
8 browser.

1 7. [Original] The method of claim 5, said step for
2 constructing a reconstructed image further comprising the
3 steps of:

4 constructing a background object;

5 constructing a font object;

6 constructing text graphics;

7 applying graphic effects from said database; and

8 combining said background object, said font object,
9 said text graphics, and said graphic effects to form
10 said image.

1 8. [Original] The method of claim 7, said graphic effects

2 selectively including blurring, shadowing, animation and
3 transparency effects.

1 9. [Original] The method of claim 8, said animation
2 effects selectively including fade in, fade out, fade
3 in/out, undulation, and slide.

1 10. [Original] The method of claim 9, said slide effects
2 selectively including in, out, loop, up, and down.

1 11. [Currently amended] A program storage device readable
2 by a machine, tangibly embodying a program of instructions
3 executable by a machine to perform method steps for serving
4 an image to a browser screen, said method steps comprising:

5 maintaining a cache of cached images;

6 maintaining a data base of default parameters;

7 serving a document to an edit panel on said screen;

8 responsive to a user activating an insert graphic
9 command with a cursor positioned at an insertion point

10 at any user selected position in said document for
11 serving to said browser an insert graphics text screen
12 for user selection of said graphic effects parameters;

13 responsive to said user completing said selection of
14 said graphic effects parameters for serving said
15 document to said screen with said graphic image at said
16 insertion point;

17 receiving a graphic request locator;

18 hashing said graphic request locator to form a string
19 number; and

20 examining cache for a cached image with a matching
21 string number, and if found, serving said cached image
22 to said browser screen; and, if not found, without
23 retrieving said image from an alternate location,
24 parsing said graphic request locator for graphic
25 parameters and constructing from said graphic
26 parameters and selectively from said default parameters
27 a reconstructed image for serving to said browser by
28 constructing a background object, constructing a font
29 object, constructing text graphics, applying graphic

30 ^effects from said database, and combining said
31 background object, said font object, said text
32 graphics, and said graphic effects to form said image.

1 12. [Currently amended] An article of manufacture
2 comprising:

3 a computer useable medium having computer readable
4 program code means embodied therein for serving an
5 image to a browser screen, the computer readable
6 program means in said article of manufacture
7 comprising:

8 computer readable program code means for causing a
9 computer to effect maintaining a cache of cached
10 images;

11 computer readable program code means for causing a
12 computer to effect maintaining a data base of default
13 parameters;

14 computer readable program code means for serving a
15 document to an edit panel on said screen;

16 computer readable program code means responsive to a
17 user activating an insert graphic command with a cursor
18 positioned at an insertion point at any user selected
19 position in said document for serving to said browser
20 an insert graphics text screen for user selection of
21 said graphic effects parameters;

22 computer readable program code means responsive to said
23 user completing said selection of said graphic effects
24 parameters for serving said document to said screen
25 with said graphic image at said insertion point;

26 computer readable program code means for causing a
27 computer to effect receiving a graphic request locator;

28 computer readable program code means for causing a
29 computer to effect hashing said graphic request locator
30 to form a string number; and

31 computer readable program code means for causing a
32 computer to effect examining cache for a cached image
33 with a matching string number, and if found, serving
34 said cached image to said browser screen; and, if not
35 found, without retrieving said image from an alternate

36 location, parsing said graphic request locator for
37 graphic parameters and constructing from said graphic
38 parameters and selectively from said default parameters
39 a reconstructed image for serving to said browser by
40 constructing a background object, constructing a font
41 object, constructing text graphics, applying graphic
42 effects from said database, and combining said
43 background object, said font object, said text
44 graphics, and said graphic effects to form said image.

1 13. [Currently amended] A computer program product or
2 computer program element for serving an image to a browser
3 screen according to the steps of:

4 maintaining a cache of cached images;

5 maintaining a data base of default parameters;

6 serving a document to an edit panel on said screen;

7 responsive to a user activating an insert graphic
8 command with a cursor positioned at an insertion point
9 located at any user selected position in said document
10 for serving to said browser an insert graphics text

11 screen for user selection of said graphic effects
12 parameters;

13 responsive to said user completing said selection of
14 said graphic effects parameters for serving said
15 document to said screen with said graphic image at said
16 insertion point;

17 receiving a graphic request locator;

18 hashing said graphic request locator to form a string
19 number; and

20 examining cache for a cached image with a matching
21 string number, and if found, serving said cached image
22 to said browser screen; and, if not found, without
23 retrieving said image from an alternate location,
24 parsing said graphic request locator for graphic
25 parameters and constructing from said graphic
26 parameters and selectively from said default parameters
27 a reconstructed image for serving to said browser by
28 constructing a background object, constructing a font
29 object, constructing text graphics, applying graphic
30 effects from said database, and combining said

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background object, said font object, said text

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graphics, and said graphic effects to form said image.
